

REMARKS

Reconsideration of the above-indicated patent application, as amended, is respectfully requested. The present amendment is responsive to the Final Office Action mailed November 17, 2003. Claims 1-41 have once again been rejected. Accordingly, amended claims and supporting remarks are hereby presented that particularly point out and distinctly claim the subject matter that applicant regards as his invention. No new matter has been added.

THE INVENTION

As was shown previously, the present disclosure is directed to a system of data transfer between two processing deuces. As was explained in detail in the previous response, the present system speeds up data transfer by transferring data directly without intermediate storage steps, thereby reducing processor cycles.

In the Final Action, the Examiner has stated that the claims of the previous response did not recite the features upon which applicant relies. Specifically, the Examiner indicates that the claims lack: 1) specifics that would be applicable to an RF (i.e. "radio frequency") application, and 2) a media access layer processor in connection with transferring between wireless packets and network packets. The Examiner also states that the claims do not recite details of processing a packet leader as it comes out of the PHY.

In the last response, the claims had been amended to specifically recite a physical layer processing system and a media access control layer processor. In this way, the claims had been amended so as to distinguish over the prior art of record, since such details are not disclosed in the reference at issue.

However, in the interest of advancing prosecution, the claims have been further amended to stipulate a "wireless signal data packet from a radio frequency physical layer processing system, and also the MAC layer "formats the data portion using a host protocol" to enable communication across a wired network. These limitations are supported inter alia at Figs. 2 and 3; p. 6, line 8; p. 7, lines 2 and 3; p. 11, line 26. The Examiner had asserted that the above limitations were not previously recited, but the Examiner has failed to challenge the allowability of the claims in light of these limitations. This is therefore understood to be a de facto admission by the Examiner that those limitations do in fact distinguish the present claims over the prior art of record, as will be set forth below.

THE REJECTIONS UNDER 35 U.S.C. §102

Claims 1-41 had been rejected under Section 102(e) as allegedly being anticipated by Sandorfi (U.S. Pat. No. 5,768,530). This rejection is once again respectfully traversed, particularly as applied to the further amended claims presented herewith.

As was shown previously, Sandorfi is directed to an application-specific integrated circuit (ASIC) used for providing an interface between different type buses with different characteristics, such as between a data processing system PCI bus and a fiber channel. (See col. 1, lines 30 et seq.) The ASIC of Sandorfi is thus clearly intended for processing frames between a high-speed data channel and a diversity of interfaces. It is once again noted that Sandorfi does not disclose any specifics that would be applicable to an RF application, such as is the case with the present method and apparatus.

As shown above, the present claims now stipulate that wireless signal data packets are received from a radio frequency (RF) physical layer (PHY) processing system. The present

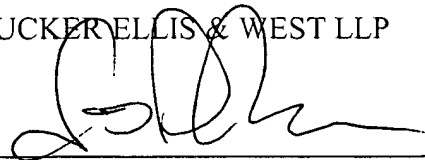
claims also stipulate that the media access control layer processor formats a data portion of the wireless data packets using a host protocol, so that the data portion can be sent to other hosts on the network. Therefore, in addition to the arguments set forth in the previous amendment, it should be quite clear that there is nothing in the four corners of Sandorfi et al that could be relied on to show anticipation of the claims as presently amended. It is therefore respectfully requested that the outstanding rejection be reconsidered and withdrawn

In view of the above, it is believed that independent claims 1, 6, 10, 15, 19, 24, 28, 32, 36, 40 and 41 recite limitations that distinguish over the prior art. The dependent claims are believed to be allowable for at least the same reasons as the independent claims. Reconsideration and withdrawal of this grounds of rejection is therefore respectfully requested.

In view of the foregoing it is respectfully submitted that the present claims, as currently amended, distinguish over the prior art. A notice to that effect is earnestly solicited. If the Examiner believes there are any further matters, which need to be discussed in order to expedite the prosecution of the present application, the Examiner is invited to contact the undersigned.

Respectfully submitted,

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